2004 USC Marshall School of Business ABAC Team

Developing the E-Commerce Environment

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Business Perspective on Current State of E-commerce

ABAC has requested Marshall to evaluate the state of e-commerce in a select number of APEC economies.

Developed Economies

Developing Economies

Japan

United States

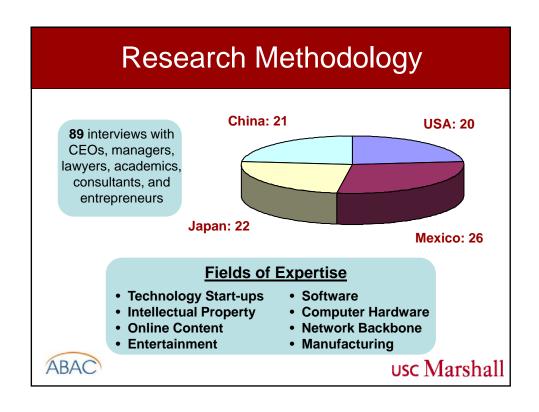
China

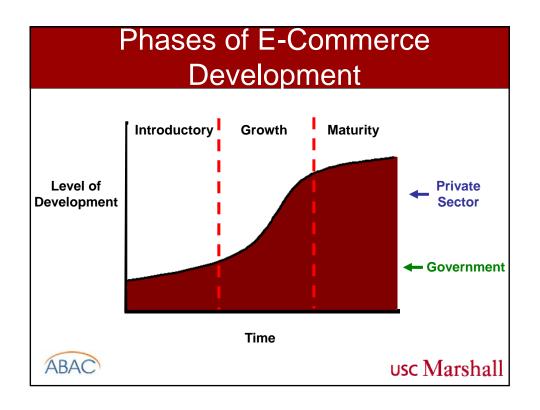
Mexico

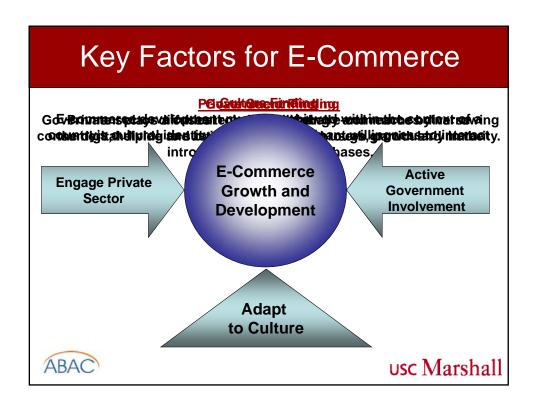
Areas of Focus

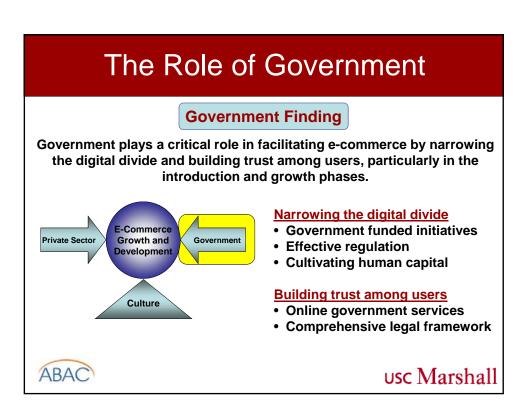
- Factors that promote e-commerce development
- · Barriers to e-commerce development
- · The role of international investment and trade

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Government funded initiatives increase Internet use by delivering infrastructure to the masses.

e-Mexico

Goal: B

Bring the Internet to 95% of the population

by 2006

Status:

Number of Internet users has doubled since 2001

Success Factors:

- Sponsored rollout of infrastructure
- Partnered with private industry

e-Japan

Goal: "Become the world's

most advanced IT

nation"

Status: Highest broadband and

wireless data usage; leader in m-commerce

Success Factors:

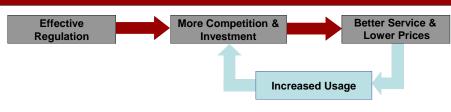
- Subsidized FTTH for low investment zones
- Targeted efforts to reach all demographics



<Government : Narrowing the Digital Divide>

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Effective regulation can increase competition and drive usage by creating an attractive environment for users.

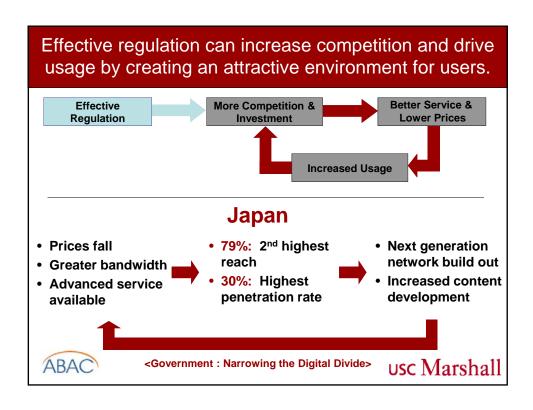


Japan

- NTT is forced to open its network
- Ownership restrictions lifted
- Spurs ADSL competition
 - Global ISPs enter the market
- •
- Prices fall
 - Greater bandwidth
 - Advanced services available



<Government : Narrowing the Digital Divide>



Government must provide a sufficient IT workforce to support growth through domestic or foreign sources.

"Our companies have a great need for educated IT resources but there aren't enough qualified workers."

Business Development Manager, network equipment provider in Japan

Local Labor Sources

Proper education must be provided.

- Sufficient quantity of schools and programs
- Schools cover necessary material and knowledge
- · Cultural acceptance of IT careers

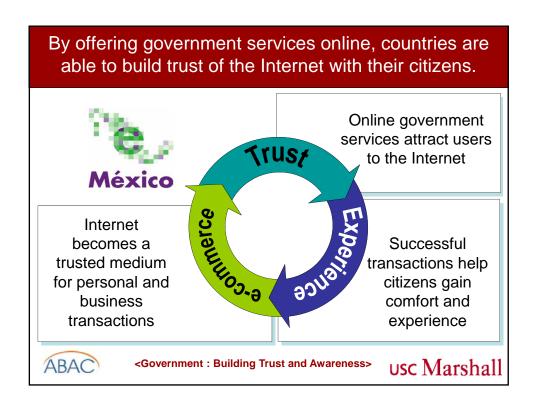
Foreign Labor Sources

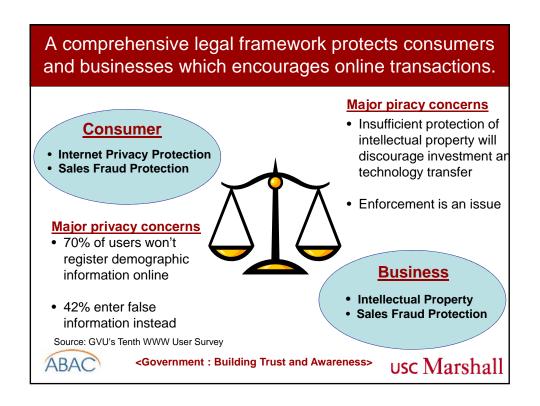
Foreign labor policies must be flexible.

- Visa programs for IT workers
- Streamlined process to bring in or outsource foreign labor
- Government assistance in helping local companies find foreign expertise when needed



<Government : Narrowing the Digital Divide>





Private Sector Finding Private Sector Finding Private sector diffuses technology globally and reaches diverse consumers, helping to sustain e-commerce through growth and maturity. Diffusing technology worldwide • Multi-National Corporations (MNCs)

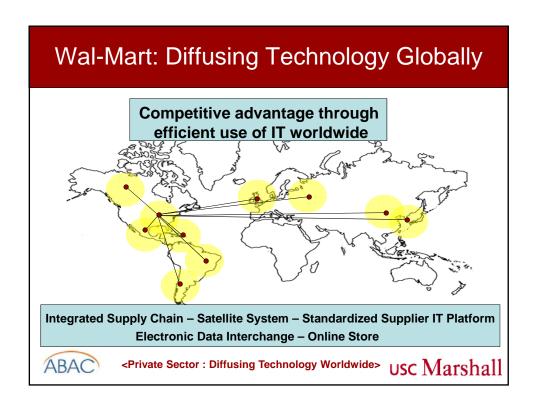
Private Sector Growth and Development Culture

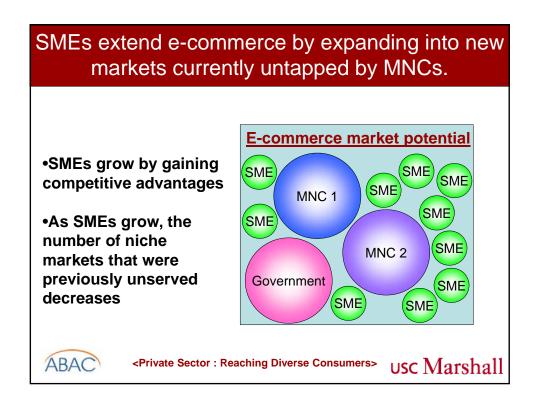
Reaching diverse consumers

Small/Medium size Businesses (SMEs)









Netflix: Unique On-Line Business Models Reach Niche Markets





- Founded in 1998; IPO in 2002
- New business model:

"Unlimited DVD rentals for a flat monthly fee."

- Over 2.2M subscribers: +72%
- Revenues of over \$500M: +96%
- All customer interaction takes place online
- Broadband video-on-demand service (est. 2005)



<Private Sector : Reaching Diverse Consumers>

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The Role of Culture

Culture Finding

E-commerce development must be achieved within the context of a country's cultural identity to ensure participant willingness to interact online.



Incorporating Culture

- Adapting processes
- Adopting technology



A country's e-commerce activities must be aligned with existing consumer behaviors and infrastructure.

Adapting processes

Consumers have existing purchase behaviors

- · Credit cards vs. cash
- Preference for inperson transactions

Adopting technologies

Existing infrastructure influences technology migration

- Fixed line vs. wireless
- Costs of existing infrastructure

Both Supported by Existing Culture



<Culture : Incorporating Culture>

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Settlement in Japan: Adapting Process to Existing Behaviors



Consumer Behavior

- Low credit card usage during introductory stages of e-commerce
- History of paying bills at convenience stores such as 7-11

Resulting action

Even as credit card usage increases, e-commerce companies ship consumer orders to local 7-11 where fulfillment takes place



<Culture : Adapting Processes>

Technology Adoption in China: Taking Advantage of Existing Infrastructure



Existing Infrastructure

- Low credit card penetration
- Low fixed-line penetration

Resulting action

Mobile phone subscriber growth surpasses PC growth. E-commerce switches to M-commerce, where orders and fulfillment are handled via SMS services.



<Culture : Adopting Technologies>

